

## ***Extra Practice***

# 10.7

Name \_\_\_\_\_

**In 1–12, solve the equation by completing the square.**

1.  $x^2 + 10x - 4 = 0$

2.  $x^2 + 6x - 1 = 0$

3.  $x^2 - 8x + 3 = 0$

4.  $x^2 - 6x - 8 = 0$

5.  $x^2 + 12x - 3 = 0$

6.  $x^2 + 4x + 2 = 0$

7.  $x^2 - 10x + 4 = 0$

8.  $x^2 + 8x + 8 = 0$

9.  $2x^2 + 8x - 6 = 0$

10.  $2x^2 - 16x + 4 = 0$

11.  $3x^2 + 12x - 6 = 0$

12.  $5x^2 - 10x - 20 = 0$

**In 13–24, use the most convenient method to solve the equation.**

13.  $x^2 - 7x + 12 = 0$

14.  $9x^2 - 27x = 0$

15.  $3x^2 - 15 = 0$

16.  $x^2 + 4x - 4 = 0$

17.  $9x^2 + 2 = 27$

18.  $2x^2 + x - 3 = 0$

19.  $2x^2 + 8x + 3 = 10$

20.  $3x^2 + 4x - 2 = 0$

21.  $5x^2 - x - 2 = 0$

22.  $6x^2 + 11x = -3$

23.  $x^2 - 20x + 60 = 0$

24.  $x^2 + 5 = 7x$